

NASIMOV, O.A.

Functional changes in neural centers following immobilization of  
the extremities. Fiziol. zhur. 43 no.12:1130-1140 u '57. (MIRA 11:3)

1. Kafedra obshchey biologii Meditsinskogo instituta, Kalinin.

(EXTREMITIES, physiology,

eff. of prolonged immobilization on nerve centers in animals  
(Rus))

EXCERPTA MEDICA Sec 2 Vol 12/9 Physiology Sept 59

4337. DISTURBED COORDINATION BETWEEN MOTOR CENTERS IN MAN AS A RESULT OF LIMB IMMOBILIZATION (Russian text) - Nasledov G. A. and Filippova V. N. Res. Inst. of Traumatol. and Orthop., Lennigrad - FIZIOL. ZH. IM. SECH. 1958, 44/6 (526-533) Illus. 4 Graphs 1

Action potentials from flexors and extensors of both lower limbs were recorded simultaneously in normal human subjects and in patients with a lower limb immobilized in a plaster cast for fracture of the leg. Voltage-time curves (after Nassonov and Rosenthal) of direct stimulation were also obtained for the same muscles. In normal subjects, some functional asymmetry in the interplay of nervous centres for the lower limb was revealed by dominance of the centre for flexors of the right limb. Immobilization of a lower limb in a plaster cast impaired coordination between motor centres, more so on immobilization of the right leg. These disturbances depended on loss of reciprocal inhibition, with excitation spreading widely over nervous centres. After a very long period of immobilization, action potentials were absent in all muscles except those under voluntary effort, demonstrating pathologic inhibition of their centres. Since no appreciable change had taken place in the voltage-time curve of direct muscle stimulation, the alterations revealed by electromyograms may be attributed to processes involving nervous centres.

Simonson - Minneapolis, Minn.

NASLEDOK, G. A.

Allusion to

obtained somewhat less often. Class of Major  
Gen. Army U.S.S. & Acad. Soc.  
Navy. Acad. Med.

The object of the investigation was the correction of the cumbersome methods in

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THE INFLUENCE OF

9-25 Aug 1949.

**APPROVED FOR RELEASE: 03/13/2001**

CIA-RDP86-00513R001136110019-8"

17(1)

AUTHORS:

Aleksanyan, A. M., Nasledov, G. A.

SU V/20-124-3-64/67

TITLE: On the Transition of the Stimulus From the Nerve to the Muscle  
(O perekhode vozbuzhdeniya s nerva na myshtsu)

PERIODICAL: Doklady Akademii nauk SSSR, 1959; Vol 124, Nr 3, pp 719-722 (USSR)

ABSTRACT: On the basis of new investigation methods great strides have been made in the last few years in the study of the motor apparatus. Among these methods there must be mentioned first and foremost electron technology, in particular the micro-electrode techniques employed in the study of individual structure units of nervous and muscular tissues. It is a well-known fact that in the propagation of the stimulus wave via: nerve - end plate - muscle, the most significant delay occurs in the end plate. At the same time we know that on a persistent indirect excitation, the muscle will cease to contract, due mainly to a change in the functional properties of the end plate. In this connection the question has risen whether the duration of the stimulus transmission from the nerve to the muscle is changed during fatigue. It is obvious that under the influence of fatigue certain as yet unclarified changes occur in the end plate, which slow down the transition mentioned in the title (Ref 6). In the communications under consideration,

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**On the Transition of the Stimulus From the Nerve to the Muscle**

data on the influence of stimuli of different frequencies on the stimulus delay in the end plate are presented. The experiments were carried out with a nerve-muscle-preparation of the musc. gastrocnemius of the frog immersed in Ringer's solution in such a way as to leave the sinewy part of the muscle outside the solution. In order to cause fatigue, rhythmical stimuli of a frequency of 1 second were used. From figure 1 it can be seen that the authors did not confirm the results obtained by Wieser (Ref 4) and Fulton (Ref 5), according to which fatigue enhances the stimulus delay in the synaptic apparatus of the neuro-muscular transmission point. Figure 2 shows that the dampening of the stimulus could imitate the increase in the delay. Therefore, the authors eventually worked with a sufficiently strong amplification. In order to clarify the discrepancy with the results obtained by Wieser (Ref 4), the authors (a) checked whether their experimental conditions sufficiently facilitate a full survey of delay and changes, (b) conducted experiments with a tetanic stimulus.

(a) The authors' experiments (Fig 3) confirmed the results obtained by Samoylov (Ref 6). Thus the deviation from the data in scientific publications could not be blamed on experimental conditions.

(b) Figure 4 shows the results of one test of this series. As

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On the Transition of the Stimulus From the Nerve to the Muscle

demonstrated by the curves in figure 4, the duration of the stimulus transmission from the nerve to the muscle is considerably increased. From this, the authors infer that fatigue as such does not affect the extent of the delay. In the authors' opinion Wieser's conclusion (Ref 4) is not derived directly from his results. The change of the delay value must be ascribed, not to the fatigue, but to such changes in the condition of the nerve-muscle preparation as involve the tetanization of the nerves.- There are 4 figures and 6 references, 2 of which are Soviet.

ASSOCIATION: Institut evolyutsionnoy fiziologii im. I. M. Sechenova Akademii nauk SSSR (Institute of Evolutionary Physiology imeni I.M. Sechenov of the Academy of Sciences, USSR)

PRESENTED: October 7, 1958, by L. A. Orbeli, Academician

SUBMITTED: September 23, 1958

Card 3/3

MASLEDOV, G.A.

Effect of the sympathetic nerve on the transmission of excitation  
from the motor nerve to the muscle. Fisiol. zhur. 46 no.10:1250-  
1257 O '60. (MIRA 13:11)

1. Institut evolyutsionnoy fisiologii im. I.M.Sechenova AN SSSR,  
Leningrad.

(NERVOUS SYSTEM, SYMPATHETIC) (ADRENALINE)  
(MUSCLES--INNERVATION)

MASLEDOV, G.A.

Effect of the sympathetic nerve on the potentials on the motor end  
plate. Dokl.AN SSSR 137 no.5:1245-1248 Ap '61. (MIRA 14:4)

1. Institut evolyutsionnoy fisiologii im. I.M.Sechenova AN SSSR.  
Predstavleno akademikom V.N.Chernigovskim.  
(Nervous system, Sympathetic) (Electrophysiology)

NASLEDOV, G.A.

Effect of the sympathetic nerve on the potentials of striated  
muscle fibers of a frog. Dokl. AN SSSR 139 no.6:1492-1501  
(MIRA 14:8)  
Ag '61.

1. Institut evolyutsionnoy fiziologii im. I.M. Sechenova  
AN SSSR. Predstavлено академиком V.N. Chernigovskim.  
(NERVOUS SYSTEM, SYMPATHETIC)  
(MUSCLE)  
(ELECTROPHYSIOLOGY)

NASLEDOV, G.A.

"Effects of the N. sympathetic on the electrical activity in frog's skeletal muscle fibre."

Report submitted, but not presented at the 22nd International Congress of Physiological Sciences.  
Leiden, the Netherlands                    10-17 Sep 1962

NASLEDOV, G.A.

Relative refractive properties of the terminal plate of the motor nerve in the skeletal muscle of the frog. Fiziol. zhur. 48 no.3:  
349-356 Mr '62. (MIRA 15:4)

1. Institut evolyutsionnoy fiziologii imeni I.M.Sechenova AN SSSR,  
Leningrad.

(MUSCLES—INNERVATION)

NASLEDOV, G. A.

Dissertation defended at the Institute of Physiology imeni I. P. Pavlov  
for the academic degree of Candidate of Biological Sciences:

"Effect of a Sympathetic Nerve on the Bioelectrical Activity of a  
Skeletal Frog Muscle."

Vestnik Akad Nauk, No. 5, 1963, pp. 11<sup>o</sup>-145

NASLEDIY, G.A.

Comparative study of the finds of the skeletal remains of different types of skeletal remains found in the burial mound No. 4, Tula, no. 4:634-640. 1958.

1. Institut evolyutsionnoj antropologii i etnogenetiki im. N.N. Sechenova AN SSSR, Leningrad.

MASLEDOV, M.B.

Minerals of the northwestern slopes of the northern Karamazov  
and their genetic features. Dokl.AN Tadzh.SSR 2 no.1:3-7  
'59. (MIRA 13:4)

1. Glavnaya upravleniya geologii i otkrany nedr pri Sovete  
ministrov USSR. Predstavleno chленом-korrespondentom AN  
Tadzhikskoy SSR R.B.Baratovym.  
(Karamazov Mountains—Mineralogy)

NASLEDOVA, Dmitriy Nikolayevich

[Semiconductor junctions AIII BV and their applications]

Polezovatel'skije soedinenija AIII BV i ikh primenie.

Leningrad, 1964. 21 p. (Leningradskij dom nauchno-  
tekhnicheskoi propagandy, no.2) (MIRA 17:6)

NASLEDOVA, I. D.

"The Problem of the Pathologic-Anatomical Changes in the Cardiac Valves During Endocarditis." Cand Med Sci, Leningrad Sanitary Hygi. & Med Inst, Leningrad, 1953. (Tr Inst Fiz, Vol 3, 1954)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

MASLEDOVA, I.D. (Leningrad); BYKOV, K.M., akademik, direktor; KOSTENETSKIY, A.S.,  
~~doctor med. i nauk, zavodnyushchiy.~~

Quantitative and qualitative modifications of the glia in experimental cerebral  
wounds in rabbit. Arkh.pat. 15 no.4:14-22 Jl-4g '53. (MLRA 6:11)

1. Institut fisiologii im. I.P.Pavlova (for Bykov and Masledova). 2. Laborato-  
riya patomorfologii (for Kostenetskiy).  
(Brain--Wounds and injuries)

NASLEDOVA, I.D.; PROPP, M.V.

Effect of ACTH and cortisone on survival and morphological changes  
of the adrenal cortex in white rats of various ages during radiation  
sickness. Nauch. soob. Inst. fisiol. AN SSSR no.1:170-171 '59.

(MIRA 14:10)

1. Laboratoriya vozrastnoy fiziologii i patologii cheloveka  
(zav. - V.G.Baranov) Instituta fiziologii imeni Pavlova AN SSSR.  
(ACTH) (CORTISONE) (ADRENAL CORTEX)  
(RADIATION SICKNESS)

IONTOV, A.S.; NASLEDOVA, I.D.

Condition of the nuclei of the hypothalamic region and of the spinal cord after extirpation of the cortex and total removal of the cerebrum. Nauch. soob. Inst. fisiol. AN SSSR no.1:179-180 '59. (MIRA 14:10)

1. Laboratoriya morfologii (zav. - N.G.Kolesov) Instituta fiziologii imeni Pavlova AN SSSR.  
(BRAIN SURGERY) (SPINAL CORD)  
(HYPOTHALAMUS)

30361

27 1220

S/205/81/001/004/020/032  
D298/D303

AUTHOR: Maslobova, I. D.

TITLE: The effects of the age factor on changes in the suprarenal cortex with general X-ray irradiation

PERIODICAL: Radiobiologiya, v. 1, no. 4, 1961, 567-572

TEXT: Existing literature on changing sensitivity to radiation with age led the author to believe that similar changes due to age in the response to radiation might occur in the suprarenal cortex. The tests were run on white rats aged 1.5 - 2 months, 5 - 7 months and 1.5 - 2 years. The animals were exposed to general X-ray irradiation in a dose of 800 r. The rats were killed off at stages ranging from 1 hour to 3 months after irradiation and were then subjected to gross-anatomical autopsy. A connection was established between the age of the animal and the response of the suprarenal cortex to radiation. The suprarenals of all the rats responded rapidly to irradiation by a reduction of the cortex's fat, ketosteroid and ascorbic acid content. In young rats

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D298/D303

The effects of...

this response was more short-lived, and after 3 hours the fat, ketosteroid and ascorbic acid content returned to normal; in older rats the reduction lasted for several days. The suprarenal response conformed to the degree of radiation sickness. The graver the course, the greater were the changes in the suprarenal cortex (the greater the reduction in the fat, ketosteroid and ascorbic acid content). The changes were most marked in the suprarenals of young rats, since young rats are the least resistant to the development of radiation sickness. With prolonged survival after irradiation (1 - 3 months) the state of the suprarenals returns to normal in rats of the young and middle-age groups, whereas in some rats of the older age group, the fat, ketosteroid and ascorbic acid content remains somewhat reduced for a month. The abnormally low ketosteroid and ascorbic acid content of the suprarenal cortex in the first few hours after irradiation indicates an increase in the function of the suprarenal cortex (a rise in corticosteroid synthesis). The marked drop in the content of these substances in the suprarenal cortex with grave radiation sickness is perhaps an indication of attenuation of the suprarenal cortex's function. There are 3 figures and 27

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39361

S/205/61/001/004/020/032  
D298/D303

The effects of...

references: 9 Soviet-bloc and 18 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: E. A. Mirand, M. C. Reinhard, H. L. Coltz, Proc. Soc. Exptl. Biol. and Med., 81, 397, 1952; F. Ungar, R. Rosenfeld, G. Pincus, R. Dorfman, Endocrinology, 56, 24, 1955; B. C. Wexler, R. Bencharz, S. F. Thomas, Proc. Soc. Exptl. Biol. and Med., 79, 183, 1952; J. Cheyen, International review of cytology, Edit. by G. H. Bourne and J. F. Danielli, 1953.

ASSOCIATION: Institut fiziologii im. I. P. Pavlova AN SSSR (Institute of Physiology im. I. P. Pavlov, AS USSR), Leningrad

Card 3/3

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NASLEDOVA, I.D., RAFAL'SKIY, Ya.D.

Effect of the age factor on the development of experimental  
atherosclerosis. Biul. eksp. biol. i med. 53 no.5:32-36  
My '62. (MIRA 15:7)

1. Is laboratorii vvestnostoy fisiologii i patologii cheloveka  
(sav. - deystvitel'nyy chlen AMN SSSR V.G. Baranov) Instituta  
fisiologii imeni I.P. Pavlova (dir. - akademik V.N. Chernigovskiy)  
AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN  
SSSR V.G. Baranovym.  
(ARTERIOSCLEROSIS) (AGE)

NASLEDJOVA, I.D.; RAFAL'SKIY, Ya.D. (Leningrad)

Effect of estrogens on the development of experimental atherosclerosis in rabbits of different age. Pat.fisiol. i eksp. terap. 7 no.1:44-48 Ja-F'63. (MIRA 16:10)

I. In laboratorii vozrastnoy fiziologii i patologii cheloveka (zav. - deystvitel'nyy chlen AMN SSSR V.G.Baranov) Instituta fiziologii imeni I.P.Pavlova (dir. - akademik V.N.Chernigovskiy) AN SSSR.

(ESTROGEN) (ARTERIOSCLEROSIS)

NASLEDOVA, I.P.

Effect of the age factor on changes in the adrenal cortex  
during whole-body X irradiation. Radiobiologia 1 no.4:  
567-572 '61. (MIRA 17:2)

1. Institut fiziology imeni I.P. Pavlova AN SSSR, Leningrad.

NASLEDOVA, I.D.; RAFAL'SKIY, Ya.D.

Antiatherogenic activity of cortisone and methylandrostendiol  
in experimental atherosclerosis in rabbits. Farm. i oks. 27  
no.1:32-35 Ja-F '64. (MIRA 17:11)

1. Laboratoriya vozrastnoy fiziologii i patologii cheloveka (zav. -  
deystvitel'nyy chlen AMN SSSR prof. V.G. Baranov) Instituta fizio-  
logii imeni Pavlova AN SSSR i endokrinologicheskaya laboratoriya  
'nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. V.G.  
Baranov) Instituta akusherstva i ginekologii AMN SSSR.

NASLEDOVA, L.D.

Influence of the age factor on the development of experimental coronary atherosclerosis in female rabbits. Kardiologiya  
no.1;76 '64. (MIRA) p. 10.

I. Laboratoriya vozrastnoy fiziologii i patologii cheloveka  
(zav.- deyatel'nyy chlen AMN SSSR V.G. Baranov) Institut  
fiziologii imeni Pavlova (dir.- akademik V.N. Chernigovskiy,  
AN SSSR, Leningrad).

NASLEDOVA, I.D.; RAFAL'SKIY, Ya.D.

Effect of prolonged sound and light stimuli on the development  
of experimental atherosclerosis in female rabbits. Pat. fiziol.  
i eksp. terap. 8 no.6:73-74 N-D '64.

(MIRA 18:6)

1. Institut fisiologii imeni Pavlova (dir. - akademik V.N. Cherenkovskiy) AN SSSR i Institut akusherstva i ginekologii (dir. - chlen-korrespondent AMN SSSR prof. M.A. Petrov-Maslakov) AMN SSSR,  
Leningrad.

NASLEDOVA, N.I.

Unconditioned salivary discharge from the parotid gland of  
adults. Opyt izuch. reg. fiziol. funk. 6:121-123 '63  
(MIRA 17:3)

Participation of the act of swallowing in the formation of the  
salivary reflex. Ibid. 124-126

1. Laboratoriya akologicheskoy fiziologii (zav. - prof. A.D.  
Slonim) Instituta fiziologii imeni Pavlova AN SSSR i kafedra  
normal'noy fiziologii (zav. - prof. N.V.Semenov) Kalininsko-  
go meditsinskogo instituta (dir. - prof. R.I.Gavrilov).

IVANOV, K.P.; MAKAROVA, A.R.; NASLEDOVA, N.I.; RUTTENBURG, S.O.; CHUSOV, Yu.E.

Physiological shifts in the human organism due to repeated cooling. Opyt izuch. reg. fiziol. funk. 6:199-204 '63  
(MIRA 17:3)

1. Laboratoriya ekologicheskoy fiziologii (zav. - prof. A.D. Slonim) Instituta fiziologii imeni Pavlova AN SSSR i gruppa fiziologii truda (rukoveditel' - S.O. Ruttenburg) Instituta gigiyeny truda i professional'nykh zabolеваний (dir. Z.E. Grigor'yev).

46302-66 EWP(m)/EWP(k)/EWT(d)/EWT(1)/EWT(m)/EWP(w)/EWP(v) IJP(v) MM, WH  
ACC NR: AT6023216 SOURCE CODE: UR/2910/65/005/003/0289/0298

AUTHOR: Matulis, A. Yu. -- Matulis, A.; Nashlenas, E. P. -- Nashlenas, E.; Bandzaitis,  
A. A. -- Bandzaitis, A. 20  
19

ORG: Institute of Physics and Mathematics, Academy of Sciences Lithuanian SSR (Institut  
fizikos ir matematikos Akademijos nauk Litovskoj SSR); Vil'nyus State University im. V. Kapsukas  
(Vil'nyusskiy Gosudarstvennyy universitet) 8t1

TITLE: On the perturbation theory of the energy of atoms with open shells 16

SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik. v. 5, no. 3. 1965, 289-298

TOPIC TAGS: atomic theory, perturbation theory, nuclear shell model

ABSTRACT: The energy of a degenerate atomic level as the pole of Green's function of open  
electron shells is studied. The perturbation theory of the energy of degenerate atomic levels  
leads to solving the secular equation in the space of unperturbed atomic states. This secular  
equation is solved by employing the theory of angular momentum of the case of electrostatic  
interaction between electrons. The contributions of the Feynman diagram are expressed in  
terms of radial integrals and the transformation matrices. The specific definition of the series  
for atomic energy in the field form of the perturbation theory for the energy of an atomic system

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L 16302-66

ACC NR: AT6023216

with open electron shells and the representation of each order of this series as an average with respect to the eigenstate of the total orbital and spin angular momenta are the main results of the study. This representation of the series permits restoring the physical sense of each Feynman diagram as the representation of a certain process during the course of which the total orbital and spin angular momenta are retained. In the proposed method there was no requirement to separate the total Hamiltonian into a zero Hamiltonian and interaction Hamiltonian. The only demand made was the retention of the single-particle character of the zero Hamiltonian which is necessary for shifting to the representation of second quantization. Thus, in each specific calculation of the energy of the atomic system it was possible to add to the zero Hamiltonian a certain single-particle operator, subtraction of which from the interaction Hamiltonian improved the convergence of the series of the perturbation theory. The author thanks Prof. A. P. Yutsis for his attention to the work and valuable advice. Orig. art. has: 9 figures and 21 formulas.

SUB CODE: 20/ SUBM DATE: 23Jan65/ ORIG REF: 003/ OTH REF: 005

Card 2/2

L 5267-66 EMT(1)/EMI(1)/EMT(2)/T-2/EMP(t)/EMP(b)/EWA(h) ID

ACC NL: AP5020433

SOURCE CODE: UR/0147/65/000/003/0032/0037

AUTHOR: Makarov, I.M.

CRO: None

TITLE: Self-excited oscillations of a helicopter on the ground

SOURCE: IVRI. Aviation Institute no. 3, 1964, 22-37

TOPIC TAGS: Helicopter stability, Flutter, Altered motion gear, blade vibration, General vibration, Horizontal blade, Blade vibration, Root hinge

**ABSTRACT:** The author investigated the stability of small oscillations of a helicopter on its landing gear. Considering the widely used statement of the problem, the author studied the angular oscillations of the fuselage in two planes and the oscillations of the blades with vertical and horizontal blades (1964, 1). The moments of inertia of real blades are considered identical for both vertical and horizontal positions, since there is only a negligible difference between them. A rigid blade, stable with respect to flutter, is examined. The equation of motion for the blade is derived taking account of the hinge. The effect of the account. Calculations were performed to determine the conditions for stability of the system for different parameters of the gyroscopic interaction C (from 0 to C = 0.001) due to the influence on oscillations in the horizontal plane) and for other mechanical consequences of blade oscillation around a horizontal hinge. In conclusion, a formula is derived for oscillations in the horizontal plane for "efficient damping" as indicated by R. P. Cox (Theory of Self-Excited Mechanical Oscillations of Helicopters

Cont. 1/2

UDC: 623.001.342.4

290112743

J 5267-66

ACC NR: AP5020633

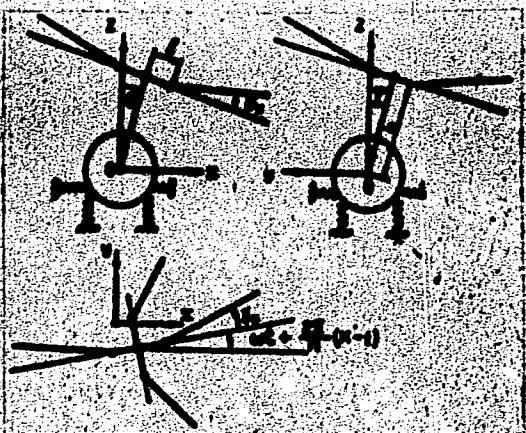


Fig. 1. Angular oscillations of fuselage and vertical and horizontal blade oscillations.

Rotor with Slanted Blades. (NACA Report 1251, 1956.). Orig. art. has: 3 figures and 6 formulas.

SUB CODE: AC / FORM DATE: 10MAY64 / OTH REF: 002

OC  
Conf 1/1

NASOKINA, I.A., insh.

Use of a "zero dry residue" method in the chemical treatment of  
water. Teploenergetika 11 no.10:75-78 O '64.

(MIRA 18:3)

KOLPAKOV, Grigoriy Matveyevich, inzh.; GOLOVKO, N.V., inzh.,  
retsenzent; NASONKIN, A.P., inzh., retsenzent;

[Electrical equipment of plants of the coke by-product  
industry] Elektrooborudovanie koksokhimicheskikh zavo-  
dov. Kiev, Tekhnika, 1965. 305 p. (MIRA 18:6)

MASONKIE, John

Experience in factory production of reinforced concrete power line  
poles. Bet.1 shel.-bet. no.9:341 D '55. (MLA 9:3)  
(Electric lines--Poles)

SOW/123-59-16-63856

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 16, p 31 (USSR)

AUTHORS: Vorob'yev, A.I., Masonkin, I.M.

TITLE: Investigation of the Stability of Flexible Shafts on Oil Film

PERIODICAL: Sb. nauchno-issled. rabot stud. Fiz.-mekhan. fak. Leningr. politekhn. in-t, 1958, vyp. 1, pp 44-68

ABSTRACT: The problem of stability (at a steady motion) of a flexible shaft with one disk, revolving in slide bearings ( $P$ ) is investigated, with allowance for the elasticity of the shaft and the elastic and absorbing forces of the oil film, when the disk is located in the middle of  $P$  on a bracket. This work originated in connection with studies of the causes of shaft vibrations in a high-power installation with a number of revolutions which was twice the critical number of revolutions. The problem of stability of an unperturbed motion is solved on the basis of equations of first approximation, in so far as the roots with the real part being zero do not exist among the roots of the characteristic equation. It is required that all coefficients of the characteristic equation and only the penultimate determinant of Gurvits should be positive. An equation of the shaft motion and its characteristic equations for the case of a bracket rotor were

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**Investigation of the Stability of Flexible Shafts on Oil Film      SOW/123-59-16-63856**

worked out. A displacement of the disk center is composed of the displacement of the shaft in P and the elastic sagging of the shaft. Frequency equations were the same as the frequency equations for the case of the disk located between the supports. The dissipative forces (connected with a loss of energy) and the forces of the oil layer were calculated, starting from the assumption that the lubrication liquid is in a narrow space, limited by the eccentrically located bushing, and the journal. The criteria of stability of the systems "shaft with disk in the center" and "bracket shaft" were determined, as well as the criterion of stability for an absolutely rigid shaft, which may serve as a starting point for the determination of stability of the flexible shaft. As an example, the case of a semienclosed P with an enveloping angle of 180° was investigated and the range of stability was established under the assumption that all sections of P were working under the same conditions. 7 figures, 10 bibliographic references.

M.V.G.

Card 2/2

ACC NR: AP7012428

SOURCE CODE: UR/0075/66/021/009/1033/1041

AUTHOR: Pokhvalitova, T. G.; Speranskaya, Ye. P. -- Speranskaya, E. P.;  
Resonkina, N. M.ORG: Kazakh State University im. S. M. Kirov, Alma-Ata (Kazakhskiy  
gosudarstvennyy universitet)TITLE: Kinetics of the reactions of hexavalent chromium with metallic  
mercury

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 9, 1966, 1033-1041

TOPIC TAGS: chromium, mercury, chemical reduction

SUB CODE: 11,07

ABSTRACT: The kinetics of the reduction of chromium (VI) by mercury in solutions of various acids was investigated. Data are presented for hydrochloric and sulfuric acids. The solutions studied were thermostated at  $20 \pm 0.5^\circ$ . In the course of reduction, the potentials of mercury and the solutions were measured by the compensation method (R-307 potentiometer). The amount of reduced chromium was determined as the difference between the amount of chromium (VI) originally presented and that remaining in the solution. The form of the chromium in solution was found by spectrophotometric analysis. Spectral characteristics of the original solutions of bi-, tri-, and hexavalent chromium were recorded in advance

UDC: 543.70

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ACC NR: AP7012428

under the set of conditions studied.

The absorption spectrum of hexavalent chromium is characterized by the presence of one maximum (360 nanometers, 10N HCl), the position of which is practically independent of solution dilution. Spectral characteristics of solutions of trivalent chromium contain two maxima (460 and 640 nanometers, 10N HCl), the position of which depend on the hydrochloric acid concentration. With decrease in hydrochloric acid concentration, the position of the maxima is symmetrically shifted toward the short wavelength side (420 and 600 nanometers, Orig. art. has: 6 figures, 3 formulas and 2 tables. [JPRS: 40,422]

NASONOV, A.F.

22613. NASONOV, A.F. Issledovaniye zheludochnoy zhidkosti abortirovannykh plodov  
zhivotnykh na brutsellez po raskl. I ra veterinariya, 1949, No. 7, S. 60

SO: LETOPIS' No. 20, 1949

NASONOV, A. F. (Director)

"Examination of gastric fluid of aborted fetuses of animals for brucellosis by RSK (Complement Fixation Reaction and RA (Complement Fixation)."

SO: Veterinariya 26 (7), 1949, p. 60

Veterinary Bacteriological Laboratory

NASONOV, A. F.

22613 Nasonov, A. F. ISSLEDOWANIYE ZHELUDOCHNOY ZHIVOSTI ABORTIROVANNYKH  
PLODOV ZHIVOTNYKH NA BRUTSELLEZ PO RSK I RA VETERINARIYA, 1949, NO. 7, S. 60

SO: LETOPIS' NO. 30, 1949

Н. ГУКОВ, Л. АНДРЕЕВ НИКОЛАЕВИЧ

175  
100.\*\*\*  
... .

"Russkaia Zemlia" I Obrazovaniye Territorii i revnerueskogo "Osnovaniya";  
Istoriko-Geograficheskoye Izdaniye vanile ("Russian off" and the formation of  
the Territory of the Ancient Russian State) Moscow, Izd-vo Akademii Nauk  
... SSSR, 1955.

259 p. 16x22.

At Head of title: Akademiya Nauk SSSR, Institut Istorii.  
Bibliographical Footnotes.

AVL

L 28362-66 ENT(m) IJP(c)

ACC NR. AP6013468

SOURCE CODE: UR/0120/66/000/002/0017/0018

AUTHOR: P. M. Morris, Jr. Asst. Professor, A. & M.

CLASS: CONFIDENTIAL

TITLE: Hydrogen ion acceleration

SOURCE: Preliminary experiments, no. 2, 1964, 17-18, and insert following p. 18

TOPIC TERM: Ion acceleration, hydrogen ion, magnetic lens, focusing accelerator, ion beam focusing

ABSTRACT: The sections describe a direct-action accelerator with a high-frequency ion source which gives a hydrogen ion acceleration current of 8 mA at 450 kv in continuous-duty operation. A schematic sectional drawing of the acceleration tube is shown. A positive pressure of  $3 \cdot 10^{-5}$  mm Hg is maintained in the tube by a pumping system with a capacity of 2000 l/sec. The focusing lens and accelerating sections are supplied from two separate supplies with maximum voltages of 130 and 300 kv respectively. The accelerating gradient along the outside surface of the tube is 4.5 kv/cm. To dispose of electrons produced and diffracted scattered ions, the ion beam which is formed by the lens focusing and focusing lens is turned down before the input to the accelerating sections so that very few ions are passed on to the electrodes of the tube. Under op-

UDC: 539.1.076

Conf 1/2

L 28362-66

ACC NR: AP6013406

2

times focusing conditions, the electron loading is only a few percent of the ion current so that a high-current voltage divider could be used for balancing the electrode voltages. A magnetic trap eliminates electron loading in the gap of the focusing lens. The longitudinal variation of the magnetic fields on the ion beam is compensated so that the beam is held within the accelerating sections along the axis of the tube. A cathode-ray gun is used for forming the ion beam on the target. The diameter of the beam at the target is less than 10  $\mu$ . Tests with a detron current of 2.4 mA at a voltage of 200 KV gave a 2.8 mev neutron stream with an intensity of  $2 \cdot 10^{16}$  neutrons/sec. Participating in the work were V. P. Zvyagin and V. I. Kostylev. Orig. art. No. 2-14967.

144

1162

卷二十一

L 45790-66 EWT(1) AT  
ACC NR: AP6030125

SOURCE CODE: UR/0120/66/000/004/0032/0035

AUTHOR: D'yachkov, B. A., Masonov, A. V.

50

B

ORG: none

TITLE: High-power r-f ion source

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1966, 32-35

TOPIC TAGS: ion source, hydrogen ion, ion emission

ABSTRACT: The development of a new ion source, (see figure) with hydrogen-ion current up to 10 ma is described. The source having a long life and relatively little hydrogen consumption, was tested under two sets of conditions: (1) Resonance, 15 Mc, 20 oe, 1200 v, 300--400 w in the discharge; (2) Resonance, 36 Mc, 60 oe, 2500 v, 100--150 w in the discharge. The ion beam composition could be varied by changing the pressure in the discharge chamber; lower pressures resulted in higher  $H^+$  ion content, while higher pressures yielded higher  $H_3^+$  content; the proton content was at best 50%. Under different conditions, the proton content was brought up to 80% with a hydrogen consumption of 100 cm<sup>3</sup>/hr. After 500 hrs, the chamber contamination was still low, and the source continued its stable operation. "In conclusion, the authors wish to thank G. A. Gornitsyn and V. I. Zinenko for their help in carrying out the work."

Orig. art. has: 2 figures and 1 table.

[03]

SUB CODE: 20 / SUBM DATE: 30Jun65 / ORIG REF: 004 / OTH REF: 001/ ATD PRESS: 5085

Card 1/2

UDC: 537.534.2:539.1.076

L 45790-66

ACC NR: AP6030125

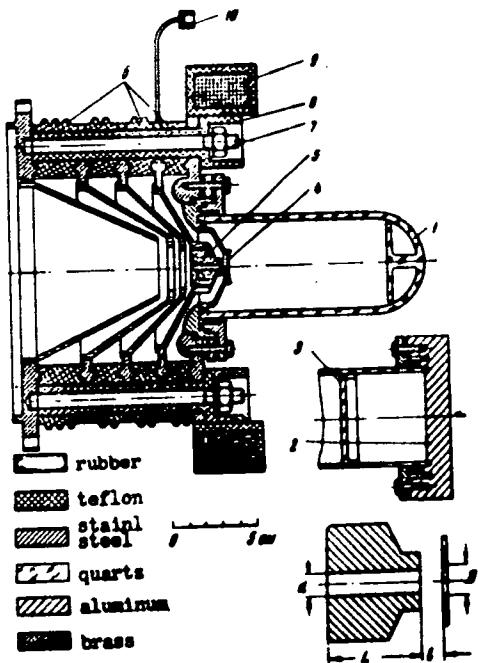


Fig. 1. High-power r-f ion source

1 - Discharge chamber; 2 - metal cap;  
3 - quartz disk; 4 - anode diaphragm;  
5 - probe; 6 - insulators; 7 - studs;  
8 - insulating bushings; 9 - electro-  
magnet; 10 - tubing for admission of  
hydrogen.

Card 2/2 pb

POKHOLZIN, P.S., kand.tekhn.nauk; LAGUTSEV, A.R., inzh.; MASOMOV, A.Ya.,  
inzh.; SHPILEVSKIY, V.A., inzh.

Mechanized timber drawing in roof control in Donets Basin  
mines. Besop.truda v prom. 4 no.3:5-7 '60.  
(MIMA 13:6)

(Donets Basin—Coal mines and mining)

BASOV, B.A.

Concepts of Korsakoff's amnesiac syndrome. Vrach.delo no.2:157-159  
F '58. (MIRA 11:3)

1. Kafedra psichiatrii (sav.-prof. Ya.P.Frunkin) Kiyevskogo  
meditsinskogo instituta i Kiyevskiy okrushnoy voyennyy gospital'.  
(KORSAKOFF'S SYNDROME)

NASONOV, B.A., polkovnik meditsinskoy sluzhby

Early detection of psychogenic reactions. Voen. med. zhur.  
no.4:83 Ap '61. (MIRA 15:6)  
(PSYCHIATRY, MILITARY)

NASCHOV, B.A., kand.med.nauk, polkovnik med.slyshby

Diagnosis of psychopathy. Sbor.nauch.trud.Kiev.okrush.voen.gosp.  
no.4:322-327 '62. (MIRA 16:5)  
(PSYCHOLOGY, PATHOLOGICAL)

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APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001136110019-8"

NASONOV, Dmitry Nikolayevich; TROSHIN, A.S., glav. red.; GOLOVINA, N.V., red.; POLYANSKIY, Yu.I., red.; ROZENTAL', D.L., red.; STRELKOV, A.A., red.; VASIL'YEVA, Z.A., red.izd-va; VINOGRADOVA, N.F., tekhn. red.

[Some problems of cell morphology and physiology] Nekotorye voprosy morfologii i fiziologii kletki; izbrannye trudy. Moskva, Izd-vo AN SSSR, 1963. 361 p. (MIRA 16:12)  
(Cytology)

~~MASONOV, G. (g. Velikiy Ustyug)~~

~~Honored art worker. Prom.koop.no.11:17-18 II '56. (MLRA 9:12)~~  
~~(Shil'nikovskii, Evstafii Pavlovich)~~

KASCHOV, G. (Khabarovsk)

Instead of a scallister: Around the little finger. From. knop 1<sup>4</sup>  
no. 5:37 My '60. (MIRA 13:12)  
(Khabarovsk--Rebesslement)

NASONOV, G.A.

USSR/General Problems of Pathology - Shock.

T-3

Abs. Jour : Ref Zhur - Biol., No 1, 1958, 3031

Author : Nasonov, G.A.

Inst :  
Title : On the Problem of the Treatment of Thermal Shock.

Orig Pub : Vozn. Med. Zh., 1956, No 6, 63-65

Abstract : Four dogs who were in a state of thermal shock received an antishock fluid (2 ml of 0.5% novocaine solution, 1 ml of 96% alcohol, 1 ml of 1% morphine solution, 1 ml 40% glucose and 50 ml of physiological solution) 30-60 min. following the onset of shock. Their blood pressure failed to rise, the hemoconcentration increased, the blood protein level fell and all of the animals succumbed in 0.5-2 hours. Three control animals died in 40, 55 and 70 min. In a series of 7 dogs who received by the drop method serum with 2 ml/kg of 0.5% novocaine solution, 5 survived the shock; normal blood pressure was reestablished in 2 hours.

Card 1/2

"APPROVED FOR RELEASE: 03/13/2001

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Approved for release under the Freedom of Information Act, pursuant to the FOIA.  
(CRA 19-8)

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CIA-RDP86-00513R001136110019-8"

NASONOV, G.Ya.

On the Volga-Baltic Waterway. Volog. krai no.2:41-62 '60.  
(MIRA 14:11)  
(Mariinsk Canal system)

MASONOV, I. D

MASONOV, I. D.

"Leveling Under Conditions Found in the Moscow Coal Basin."  
Cand Tech Sci, Moscow Mining Inst imeni I. V. Stalin, Min of Higher  
Education USSR, Moscow, 1955. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical  
Dissertations Defended at USSR Higher Educational Institutions  
(14)

MASOMOV, Il'ya Dmitriyevich, kand.tekhn.nauk; ZVORYKINA, L.N., red.  
izd-vo; SABITOV, A., tekhn.red.

[Mining with use of small-size shields] Provedenie vyrabotok  
shchitami malykh razmerov. Moskva, Gos.sauchno-tekhn.izd-vo  
lit-ry po gornomu delu, 1959. 121 p.  
(Mining engineering)

ANAN'YEV, Sergey Petrovich; KITAYSKIY, Yevgeniy Vladimirowich; NASONOV,  
Il'ya Dmitriyevich; NEYENBURG, Vadim Yevgen'yevich; PAVLOV, K.V.,  
ctv. red.; CHECHNOV, L.V., red. izd-va; SHKLYAR, S.Ya., tekhn.  
red.

[Boring and blasting, driving and supporting of mines] Burovzryvnye  
raboty, provedenie i krepenie gornykh vyrabotok. By S.P.Anan'ev i  
dr. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu,  
1961. 355 p.  
(Mining engineering) (Blasting)

POKROVSKIY, N.M., doktor tekhn.nauk; NASONOV, L.N., kand.tekhn.nauk;  
CHEKIN, A.I., kand.tekhn.nauk; NASONOV, I.D., kand.tekhn.nauk

Concerning P.N.Paniukov's book "Engineering geology." Shakht. stroi.  
(MIRA 16:10)  
7 no.7:32 Jl '63.

CHEKAREV, V.A., kand. tekhn.nauk, red.; NAGOMOV, I.D., kand.tekn.  
tekhn, retsenzer.

[Mining with cutter-loaders] Provedenie vyrabotok kombai-  
nami. Moskva, Izd-vo "Nedra," 1964. 189 p. (MIRA 17;7)

GERASIMOV, I., inzh.; NASONOV, K., inzh.; PUTILOV, V., inzh.

Protection of ship mechanisms by liquid inhibited lubri-  
cants. Mor. flot 23 no.8:21-22 Ag '63. (MIRA 16:11)

NASOV, Kh.

Irrigation Farming-Rostov Province

Don waters irrigate the fields. Kolkh. proiz.  
12 No. 6, 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1953. Unclassified.

MASSON, L. M.

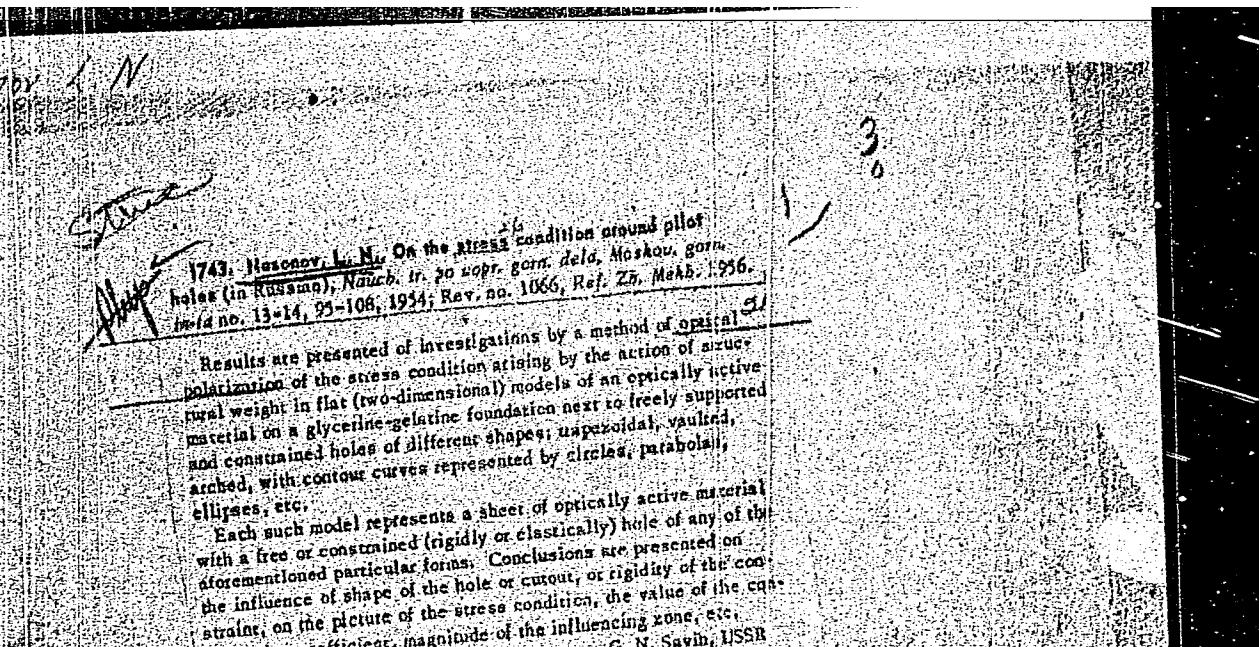
MASSON, L. M. -- "Metallic Supports for the Installation of the  
Mines." Sov. Det. S., Moscow, 1941. 12 pp. 100 mm x 150 mm.  
(Preparation for the Defense of the Soviet Union, 1941-1942.)

SO: Intelligence Sec. SA, Intelligence Bureau

Fuel abstracts NASONOV, L. N.

V.15, Jan 1954  
natural solid fuels; mining

- ✓ 24. INFLUENCE OF PACKING ON OPERATION OF SUPPORT. Nasonov, L.N.,  
(Ugol (Coal), July 1955, 3, 37). Experiments with polarized light on  
models of supports for roadways showed the reduction in tangential stresses  
caused by packing the space between the walls and the supports. (L).



NASOMOV, L., kandidat tekhnicheskikh nauk.

Vertical shaft sinking in the Hsing-Chu mine. Mast.ugl. 5 no.3:  
(MIRA 9:7)  
29 Mr '56.  
(China--Shaft sinking)

NASONOV, LEONID NIKOLAYEVICH

LI CHAO-TSYUN' [Li, Ch'ao-Chun]; NASONOV, Leonid Nikolayevich, KITAYSKIY,  
Ye.V., otvetstvennyy redaktor; KRASOVSKIY, I.P., redaktor izdatel'-  
stva; ANDRALEV, G.G., tekhnicheskiy redaktor; ALADUVA, Ye.I.,  
tekhnicheskiy redaktor

[Mining in the Chinese People's Republic] Opyt provedeniia gornykh  
vyrobok v Kitaiskoj Narodnoj Respublike. Moskva, Ugletekhnidat.  
1957. 94 p.  
(China--Coal mines and mining)

MASOMOV, L.N., kandidat tekhnicheskikh nauk.

Blocks for placing reinforcements in vertical coal mine shafts.  
Shakht.stroi. no.6:29 Je '57. (MLRA 10:7)  
(China--Shaft sinking)

NASONOV, Leonid Nikolayevich, dotsent, kand.tekhn.nauk; PAVLOV, K.V.,  
otv.red.; PAVLOV, K.V., red.izd-va; PROZOROVSKAYA, V.L.,  
tekhn.red.

[Mine timbering] Kreplenie gornykh vyrabotok. Moskva, Ugle-  
tekhnizdat, 1959. 286 p. (MIRA 12:12)  
(Mine timbering)

NASONOV, Leonid Nikolayevich, kand. tekhn. nauk; GRABILIN, Yu.N.,  
gornyy inzh., red.; CHERNUGOVA, E.N., red.izd-va; MAKSIMOVA,  
V.V., tekhn. red.

[Supporting vertical mine shafts] Kreplenie vertikal'nykh  
stvolov shakht. Moskva, Gosgortekhizdat, 1963. 179 p.  
(MIRA 16:6)

(Mine timbering)

POKROVSKIY, N.M., doktor tekhn.nauk; NASONOV, L.N., kand.tekhn.nauk;  
CHEKIN, A.I., kand.tekhn.nauk; NASONOV, I.D., kand.tekhn.nauk

Concerning P.M.Paniukov's book "Engineering geology." Shakht. stroi.  
(MIRA 16:10)  
7 no.7:32 Jl '63.

NASONOV, L.N., kand. tekhn. nauk

Method of calculating rock pressure in individual drift-shaped mine workings. Ugol' 38 no.9:12-15 S '63.  
(MIRA 16:11)

I. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki.

LEYTES, L., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; NASONOV, N.

Valuable raw materials are used the wrong way. Prom.koop. 13  
no.1:26-27 Ja '59. (MIRA 12:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sherstyanoy  
promyshlennosti (for Leytes). 2. Nachal'nik otdela zagotovok Glav-  
vtorsyr'ya Rospromsoveta (for Nasonov).  
(Textile waste)

NASONOV, P. (Irkutsk)

Water intake from reservoirs for fire extinction. Scale 9 to 1:  
14 N 63. (MIRA 17:1)

NASONOV, P. A.

Paper filter replaces the ASFO filter. Avt.transp.33 no.10:  
35 0 '55. (NIKA 9:1)  
(Automobiles--Engines--Oil filters)

MASOMOV, P.A.

Device for measuring wear of automobile parts. Avt. i trakt.prom.  
no. 10:41-42 O '56. (MIRA 10:1)

1. Moskovskiy avtosavod imeni Likhacheva.  
(Automobiles--Apparatus and supplies)

NANONCV, P.A.

Device for measuring the wear of teeth of spiral-bevel gears.  
(1965)  
Avt. prom. 31 no.3:47 Mr '65.

1. Moskovskiy avtozavod "imeni Likhacheva".

NASOEOV, P.I.

Practices in the operation of PMS-8 mobile track maintenance stations. Put' i put.khoz. 4 no. 4:21-22 Ap '60.  
(NIKA 13:7)

1. Nachal'nik Putevoy mashinnoy stantsii No.8.  
(Railroads--Maintenance and repair)

S/180/62/000/005/001/011  
E075/E435

AUTHORS: Nasonov, P.Ya., Vasil'yev, Ye.N., Lur'ye, I.L.,  
Knyazev, V.F. (Moscow)

TITLE: The reduction of iron oxides with hydrogen in a  
fluidized bed at an elevated pressure

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye  
tekhnicheskikh nauk. Metallurgiya i toplivo, no.5, 1962,  
29-36

TEXT: The reduction of mill scale and a Krivoy Rog ore fines with  
hydrogen in a fluidized bed at elevated pressures and low  
temperatures was investigated in order to elucidate the influence  
of pressure, the rate of feeding reducing gas, particle size of  
the starting material and temperature on the reduction process.  
The experiments were carried out in a laboratory apparatus made  
from stainless steel with a fluidized bed reactor, operating  
intermittently with 300 g samples. Experimental conditions:  
temperature from 490 to 650°C; pressure from 3 to 30 atm gauge;  
two rates of feeding hydrogen - 2.5 and 4.5 litre/sec. The  
process of reduction was controlled by measuring the decrease in  
Card 1/3

S/180/62/000/005/001/011  
E075/Z435

The reduction of iron ...

the amount of hydrogen in the gas holder. In the lower pressure range (up to about 9 atm) an increase in pressure was found to lead to an intensification of the process, even without an increase in the rate of supply of hydrogen to the reactor. An increase in pressure from 3 to 4 atm had a considerably higher effect than an increase from 4 to 5 or from 5 to 6 atm (the corresponding increases in the consumption of hydrogen read from the graph were about 36, 14 and 13% respectively). In the higher pressure range the increase in the rate of reduction is due to an increase in the supply of hydrogen to the reactor which can be made without increasing dust losses. Optimal reduction temperatures at a pressure of the gaseous phase of 30 atm and a hydrogen feed rate of 0.3 litre/sec per 1 cm<sup>2</sup> of the free cross-sectional area of the reactor are: to obtain 70 to 75% reduction - 500 to 520°C; to complete the reduction process - 550 to 560°C. Under the above temperature conditions neither sintering of ore particles nor sticking of particles to the walls of the reactor was observed. For reducing scale the maximum temperature of the process can be raised to 650°C. Within the range of 0.3 to

Card 2/3

The reduction of iron ...

S/180/62/000/005/001/011  
E075/E435

0.10 mm the particle size of the scale has no influence on the reduction process. The iron powder produced is pyrophoric. The minimum annealing temperature of the iron powder necessary to remove its pyrophoricity without soaking and with a 30 minute soaking was found to be 780 and 750°C respectively. There are 4 figures.

SUBMITTED: March 15, 1962

Card 3/3

~~MASONOV, S.~~

Greasy rags should be cleaned for re-use. Prom.koop. 13 no.3:17  
Nr '59. (MIRA 12:4)

1. Nachal'nik otdela zagotovok Glavvtorsyry.  
(Rags)

**MASONOV, V.**

Make movable equipment lighter. Muk.-elev.prom. 25 no.2:30  
F '59. (MIRA 12:4)

1. Ministerstvo khleboproduktov Kazakhskoy SSR.  
(Grain-handling machinery)

NASOMOV, V.

Builders and mechanics helped us. Muk.-elev.prom. 25 no.12:27  
D '59. (MIRA 13:4)

1. Ministerstvo khleboproduktov Kazakhskoy SSR.  
(Kustanay Province--Grain elevators)

NASONOV, V.M.

Survey of voluntary contributions to technological progress  
at enterprises of an economic council. Opyt. rab. po tekhn.  
inform. i prop. no.3:53-55 '63. (MIRA 16:12)

KASCHOV, V.N., inzhener; laureat Stalinskoy premii; KOCHUMOV, K.M.,  
inzhener.

Experience in planning the first tall buildings in Moscow. Gor.  
khos. Mosk. 24 no.1:5-19 Ja '50. (MLRA 7:11)  
(Moscow--Skyscrapers) (Skyscrapers--Moscow)

NASONOV, V.N.

1. [REDACTED] - [REDACTED]

2. [REDACTED] - M

3. [REDACTED] - [REDACTED]

4. [REDACTED] - [REDACTED] building in Warsaw, Poland

5. [REDACTED] - [REDACTED]

Answers: 1. [REDACTED] - [REDACTED] cultural and science building.  
The building was built by Soviet architects as a gift from the Soviet  
Union to the Polish government.

VAYNBERG, G.D., inzh.; KRICHESKAYA, Ye.I., kand. tekhn. nauk;  
MAZALOV, A.N., inzh.; ROZENFEL'D, A.G., inzh.; FOLOMIN,  
A.I., doktor tekhn. nauk; TESLER, P.A., kand. tekhn. nauk;  
SHOLOKHOV, V.G., arkhitekt; RUBANENKO, B.R., glav. red.;  
ROZANOV, N.P., zam. glav. red.; ONUFRIYEV, I.A., red.;  
YUDIN, Ye.Ya., red.; MASNOV, V.N., red.; ISIDOROV, V.V.,  
red.; MAKARICHEV, V.V., red.; POLUBNEVA, V.I., inzh., red.

[Improving the durability of industrial built-up roofs]  
Voprosy povysheniia dolgovechnosti industrial'nykh sovme-  
shchennykh krysh. Moskva, Gosstroizdat, 1962. 43 p.  
(MIRA 17:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stu. 2. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut industrial'nykh, zhilykh i massovykh kul'turno-bytovykh zdaniy Akademii stroitel'stva i arkhitektury SSSR (for Vaynberg, Krichevskaya, Mazalov, Rozenfel'd, Folomin).
3. Nauchno-issledovatel'skiy institut stroitel'noy fiziki Akademii stroitel'stva i arkhitektury SSSR (for Sholokhov).
4. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR, Perovo (for Tesler).

NASONOV, V.N.; GUBEMKO, A.B.

Using plastics in making construction elements. Prom.stroi. 37  
no.10:28-75 O '59. (MIRA 13:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'noy  
konstruktsii Akademii stroitel'stva i arkhitektury SSSR.  
(Plastics)

~~NASONOV, V.N.; BYKHOVSKIY, V.A.; DZHABUA, Sh.A.; DUZINKEVICH, S.Yu.; KONCHINSKIY, I.L.; POLYAKOV, S.V. ; STEPANYAN, V.A.~~

Ways of lowering construction costs of industrial buildings to be erected in seismic regions. Prom.stroi. 37 no.8:20-23 Ag '59.  
(MIRA 12:11)

(Construction industry—Costs) (Earthquakes and building)

БАСОНОВ, В.Н., БЕЛЯЕВ, Б.И., БАДИН, В.А., ТАРАНОВСКИЙ, С.В.,  
ХОХЛАРИН, А.Х.

Possibilities of using aluminum and alluminum alloys in construction. Prom. stroi. № 8:36-39 '60. (MIRA 13:8)  
(Alluminum alloys) (Aluminum, Structural)

ULESOV, A.A., elektrorasvarkchik, svazhdy Seroy Sotsialisticheskogo Truda;  
DUL'KIN, V.Y.; BUDSKIY, A.Y., kand. tehn. nauk, starshiy nauchnyy  
sotrudnik; FEDOROV, A.V., kandidat nauchnyy sotrudnik; KALINOV, V.".;  
KARTASHOV, K.V.

Welding the 30KhGr3 reinforcing steel. Bet. i zhel.-bet. no.1:25-  
31 Ja '61. (in A 14:2)

1.Kuybyshevgidrostroy (Ulesov). 2. Starshiy inzh.otdelia issledovaniya  
i kontrolyu Kuybyshevgidrostroya (for Dul'kin). 3. Director Tsentral'-  
nogo nauchno-issledovatel'skogo instituta stroitel'nykh konstruktsiy  
(for Masonov). 4. Director Nauchno-issledovatel'skogo instituta betona  
i zhelezobetona (for Kartashov).  
(reinforcing bars—Welding)

NIKOL'SKIY, V.N., kand. tekhn. nauk; SPIVAK, N.Ya., kand. tekhn. nauk; BAULIN, D.K., inzh.; BUADZE, V.Sh., inzh.; KREYTAN, V.G., kand. tekhn. nauk; PERMYAKOV, S.I., kand. tekhn. nauk; USOV, A.L., inzh.; KOSHKIN, V.G., kand. tekhn. nauk; MARAVIN, B.L., inzh.; ERENBURG, A.I., inzh.; KOCHESHKOV, V.G., inzh.; RUBANENKO, B.R., glav. red.; ROZANOV, N.P., zam. glav. red.; ONUFRIYEV, I.A., red.; YUDIN, Ye.Ya., red.; NASONOV, V.N., red.; ISIDOROV, V.V., red.; MAKARICHEV, V.V., red.; FINKINSHTEYN, B.A., inzh. red.;

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(Floors) (Ceilings)

BUKAYEV, Veniamin Ivanovich; NASONOV, Vasiliy Nikitovich; SKAKUNOV,  
Nikolay Vasil'yevich; DEVUCHKIN, N., red.

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Sel'skie ratsionalizatory - proizvodstvu. Volgograd, Volgo-  
gradskoe knizhnoe izd-vo, 1963. 98 p. (MIRA 18:3)

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